



Chandler Unified School District

MAT400A Precalculus

SY 2023-24



Course Overview

Course Description

The course explores algebraic manipulation, graphing, and application, to explore functions, mathematical modeling, exponential and logarithmic equations, discrete mathematics, and trigonometry. Precalculus strengthens students' conceptual understanding of problems, mathematical reasoning, and mathematical modeling in solving problems. This course combines concepts of trigonometry, geometry, and functions to prepare students for studies in STEM-related classes and college and career-entry mathematics courses. Students will use the standards for mathematical practice to engage with the subject matter.

AP/IB/Dual Enrollment

Maybe offered for Dual Credit.

Prerequisite/Fee(s)

Algebra 2

Course Materials

- Notebook or Paper
- TI-84 Calculator
- Writing Utensil
- School Computer

Adopted Resource(s)

Precalculus with Limits 3rd Ed., Larson (Cengage) & Precalculus 5th Ed., Blitzer (Pearson)

**An asterisk will indicate a resource containing sexually explicit materials per legislative definitions. CUSD has determined that all resources listed above are of exceptional educational value.*

Site and Faculty Information

School name and address:

Perry High School, 1919 E Queen Creek Rd, Gilbert, AZ 85297

Building principal:

Heather Patterson

patterson.heather@cusd80.com

Teacher:

Veronica Celaya BS and MS in Mathematics Education

celaya.veronica@cusd80.com

Office hours: 7:00-7:20 am or by Appointment

Course Access

This course is taught in-person at Perry High School. Students will have access to the curriculum and instruction in the classroom. Google Classroom is the primary location for students to access material when absent from classes taught in person.

Help

Academic Support

- Contact the teacher to schedule an appointment during office hours
- [Ed Tech](https://cusd80.com/Page/45109) support for students, parents/guardians, and community link (cusd80.com/Page/45109)

Mental Health Support

- CUSD mental health support cusd80.com/Domain/10528 or 480-573-8808 (talk or text)
- Suicide & Crisis Lifeline: 9-8-8 hotline
- 24-hour Crisis Line Talk: 602-222-9444, Text: 741-741

Student Conduct, Success, and Responsibilities

Student Handbook

Students must follow the policies and procedures established in the Student Handbook. Copies of the handbook can be found at cusd80.com/handbooks. Printed copies will be provided upon request.

Student Responsibilities

- Come to class on time.
- Participate in class.
- If gone on review day, you will still take the assessment the next day.
- You are responsible for your learning, put yourself in a good position to do well.
- No cheating, do your own work.

Late work

Please do your work and turn it in on time. No late work will be accepted. Only EXCUSED absents work will be allowed. If absent, you will have the number of days you were given to make up the missing work.

Assessments and Assignments

Students will complete assessments during each unit of study to assess their understanding. Students will complete the CUSD Common Final at the end of the first and second semesters. The Common Final will count for 20% of the student's final semester grade in grades 9-12 and 10% in grades 7-8 (some exceptions may apply at the Junior High level). Common finals will be in ELA, Math, Science, Social Science, and World Language.

Final exams will be given during the CUSD Jr High/High School Early Dismissal days in December and May, as identified on the [District Calendar](#).

If students are requested to participate in a survey, the survey questions will be provided to parents/guardians seven days before student contact.

Grading

Grade Percentage

A	B	C	D	F
90% - 100%	80% - 89%	70% - 79%	60% - 69%	<60%

Quarter grades

15% Homework
85% Test and Quizzes

Semester grades

Semester grades are calculated using 80/20: A combination of the two quarters accounts for 80% of the semester grade and the final exam accounts for remaining 20%.

Units of study

Units for MAT400A Precalculus

Unit 1: Functions & Graphs
Unit 2: Polynomial Functions, Rational Functions
Unit 3: Exponential & Logarithmic Functions
Unit 4: Systems of Equations & Matrices
Unit 5: Conics

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Parent/Guardian

Acknowledgment

Parents/Guardians should indicate if they "Acknowledge" or have a "Potential Conflict" with their student's participation in the following units by checking the appropriate box for each unit of study listed. Students cannot opt out of a standards-based unit. Marking "Potential Conflict" will prompt the teacher to make contact regarding assignment alternatives.

Unit of study	Acknowledge	Potential Conflict
Unit 1: Functions & Graphs	<input type="checkbox"/>	<input type="checkbox"/>
Unit 2: Polynomial Functions, Rational Functions	<input type="checkbox"/>	<input type="checkbox"/>
Unit 3: Exponential & Logarithmic Functions	<input type="checkbox"/>	<input type="checkbox"/>
Unit 4: Systems of Equations & Matrices	<input type="checkbox"/>	<input type="checkbox"/>
Unit 5: Conics	<input type="checkbox"/>	<input type="checkbox"/>

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By signing and returning this form, the parent/guardian acknowledges they have reviewed the resources and units of the study included in the syllabus.

- As the parent/guardian, I understand that I may contact the teacher if I have questions about the resources, content, or units of study.
- As the parent/guardian, I understand I can check my student's grades in Infinite Campus anytime during the school year.

Student name (printed)

Student signature

Parent/Guardian name (printed)

Parent Signature

Date

Please return this page to your student's teacher.